

IN THE CLAIMS

Please amend the claims as follows:

1-37 (Cancelled)

38. (Previously Amended): A peritoneal dialysis solution comprising at least one amino sugar in an effective amount sufficient to create an osmotic pressure to effect the removal of water by diffusion from a patient's blood across the peritoneal membrane of the patient into the solution.

39. (Previously Amended): The solution of claim 38 wherein the at least one amino sugar is present at a concentration of about 0.5% to about 5.0% (w/v).

40. (Original): The solution of claim 39 wherein the at least one amino sugar is present as a monomer or as an oligomer of 2 to 12 carbohydrate units.

41. (Previously Amended): The solution of claim 40 wherein the at least one amino sugar is selected from the group consisting of at least one acetylated amino sugar, at least one deacetylated amino sugar and combinations thereof.

42. (Previously Amended): The solution of claim 41 wherein the at least one acetylated amino sugar is selected from the group consisting of N-acetylglucosamine, N-acetylgalactosamine, N-acetylmannosamine and combinations thereof and the at least one deacetylated amino sugar is selected from the group consisting of glucosamine, galactosamine, mannosamine and combinations thereof.

43. (Previously Amended): The solution of claim 42 wherein the at least one acetylated amino sugar is N-acetylglucosamine.

44. (Original): The solution of claim 43 further comprising at least one electrolyte in an effective amount sufficient to effect the removal of solutes by diffusion from the patient's blood across the peritoneal membrane into the solution.

45. (Previously Amended): The solution of claim 44 wherein the at least one electrolyte is selected from the group consisting of sodium, calcium, chloride, magnesium, lactate, malate, acetate, succinate, and combinations thereof.

46. (Original): The solution of claim 45 further comprising at least one additional agent selected from the group consisting of glucose, iduronic acid, glucuronic acid and combinations thereof.


47. (Previously Amended): The solution of claim 46 wherein the at least one amino sugar together with the at least one additional agent is present at a concentration of about 0.5% to about 5.0% (w/v).

48. (Currently Amended): The solution of claim 47 wherein

- (a) the pH is in the range of about 5.0 to about 7.4;
- (b) the osmolarity is greater than 280 mOsm/L;
- (c) sodium is present at a concentration in the range of about 115 to about 140 mEq/L;
- (d) calcium is present at a concentration in the range of about 0.6 to about 5.0 mEq/L;
- (e) chloride is present at a concentration in the range of about 100 to about 145 mEq/L;
- (f) magnesium is present at a concentration in the range of about 0 to about 2.0 mEq/L; and
- (g) lactate, malate, acetate, or succinate ~~or bicarbonate~~ is present at a concentration in the range of about 30 to about 45 mEq/L.

49-58 (Withdrawn)

59. (Withdrawn - Currently Amended): The method of claim 58 wherein

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- (a) the pH is in the range of about 5.0 to about 7.4;
 - (b) the osmolarity is greater than 280 mOsm/L;
 - (c) sodium is present at a concentration in the range of about 115 to about 140 mEq/L;
 - (d) calcium is present at a concentration in the range of about 0.6 to about 5.0 mEq/L;
 - (e) chloride is present at a concentration in the range of about 100 to about 145 mEq/L;
 - (f) magnesium is present at a concentration in the range of about 0 to about 2.0 mEq/L; and
 - (g) lactate, malate, acetate, or succinate ~~or bicarbonate~~ is present at a concentration in the range of about 30 to about 45 mEq/L.

60-69 (Withdrawn)


70. (Withdrawn – Currently Amended): The method of claim 69 wherein

- (a) the pH is in the range of about 5.0 to about 7.4;
- (b) the osmolarity is greater than 280 mOsm/L;
- (c) sodium is present at a concentration in the range of about 115 to about 140 mEq/L;
- (d) calcium is present at a concentration in the range of about 0.6 to about 5.0 mEq/L;
- (e) chloride is present at a concentration in the range of about 100 to about 145 mEq/L;
- (f) magnesium is present at a concentration in the range of about 0 to about 2.0 mEq/L; and

- (g) lactate, malate, acetate, or succinate ~~or bicarbonate~~ is present at a concentration in the range of about 30 to about 45 mEquiv/L.

71-81 (Withdrawn)

82. (Withdrawn – Currently Amended): The method of claim 81 wherein

- (a) the pH is in the range of about 5.0 to about 7.4;
- (b) the osmolarity is greater than 280 mOsm/L;
- (c) sodium is present at a concentration in the range of about 115 to about 140 mEquiv/L;
- (d) calcium is present at a concentration in the range of about 0.6 to about 5.0 mEquiv/L;
- (e) chloride is present at a concentration in the range of about 100 to about 145 mEquiv/L;
- (f) magnesium is present at a concentration in the range of about 0 to about 2.0 mEquiv/L; and
- (g) lactate, malate, acetate, or succinate ~~or bicarbonate~~ is present at a concentration in the range of about 30 to about 45 mEquiv/L.
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